INTERNATIONAL SEARCH REPORT

International application No.

		PCT/JP2	2004/005661
A CLASSIFIC Int.Cl	CATION OF SUBJECT MATTER 7 F04D29/44, F04D29/28		
L	ternational Patent Classification (IPC) or to both nation	al classification and IPC	
B. FIELDS SE			
Minimum docur	nentation searched (classification system followed by c F04D29/44, F04D29/28, F04D29	lassification symbols)	
	201323, 11, 101323, 20, 101323	,10	
Jitsuyo Kokai J	itsuyo Shinan Koho 1971-2004 J	oroku Jitsuyo Shinan Koho itsuyo Shinan Toroku Koho	1994 - 2004 1996-2004
Electronic data t	pase consulted during the international search (name of	data base and, where practicable, search to	erms used)
	NTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where a	,	Relevant to claim No.
X Y A	Microfilm of the specification annexed to the request of Japanoved Model Application No. 66056/100. 178199/1982) (Daikin Industries, Ltd.), 11 November, 1982 (11.11.82), Full text; Fig. 1 (Family: none)	panese Utility 1981 (Laid-open	1-2,7-11 6,12 3-4
X Y A	JP 2000-291590 A (Denso Corp 17 October, 2000 (17.10.00), Full text; Figs. 7, 18 to 21 & US 6299409 B1 & DE		1-2,5,7-11 6,12 3-4
× Further do	cuments are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be	
filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		considered novel or cannot be considered to involve an inventive step when the document is taken alone	
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family	
Date of the actual completion of the international search 04 June, 2004 (04.06.04)		Date of mailing of the international search report 22 June, 2004 (22.06.04)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Facsimile No. Form PCT/ISA/21	0 (second sheet) (January 2004)	Telephone No.	

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X Y A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 5047/1983 (Laid-open No. 112000/1984) (Matsushita Electric Industrial Co., Ltd.), 28 July, 1984 (28.07.84), Full text; Fig. 4 (Family: none)	1-2,7-8,11 6,12 3-4
Y .	JP 63-80097 A (Matsushita Seiko Co., Ltd.), 11 April, 1988 (11.04.88), Full text; Figs. 1 to 2 (Family: none)	6
Y	JP 2003-13888 A (Daikin Industries, Ltd.), 15 January, 2003 (15.01.03), Full text; Figs. 5, 8 & WO 03/02874 A1 & EP 1411247 A1 & CN 1395046 A	12.
A	JP 9-242696 A (Denso Corp.), 16 September, 1997 (16.09.97), Full text; Figs. 1 to 7 © US 5813831 A1	4